

# FILE NOTATIONS

☒ Filed In NID File  
☐ On S R Sheet  
☒ Map Pinned  
☒ Indexed  
☐ State or Fee Land

Checked by Chief *PWB*  
 Copy NID to Field Office ☒  
 Approval Letter ☒  
 Disapproval Letter ☐

## COMPLETION DATA:

Date Well Completed *6-17-63* Location Inspected ☒  
 OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_ Bond released \_\_\_\_\_  
 GW \_\_\_\_\_ OS \_\_\_\_\_ PA *✓* State of Fee Land \_\_\_\_\_

## LOGS FILED

Driller's Log *7-17-63*  
 Electric Logs (No. ) *5*

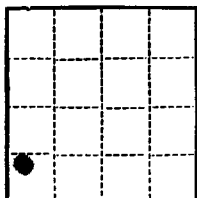
E \_\_\_\_\_ I \_\_\_\_\_ E-I ☒ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic ☒ Others *Gas Chromatograph Analysis*

*Subsequent Report of Abandonment*  
*Formation Density ②*  
*Formation Tester ②*

survey plat attached

Form 9-331a  
(Feb. 1961)



Copy H.L.C.

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Form Approved.

Land Office Salt Lake City

Lease No. U-615075-1

Unit \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Soder Siding Unit

February 14, 1961

Well No. 1 is located 660 ft. from N line and 710 ft. from E line of sec. 21

SW 16 South 13 East Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Walden Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ground surface above sea level is 5257 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This well is to be drilled into the top of the Manning Canyon formation to an estimated 6900 TD. The primary objectives are the Crazy Trails pay zone of the Moenkopi and the combined Wolfcamp-Monkhouse-Paradox carbonate and evaporite sequences. It is planned to core some 300 feet in these combined objectives as well as 4 DST's. Additional coring and testing will be made if warranted. It is planned to run sufficient casing, 160 to 450 feet of 10-3/4" or larger, to shut off any and all water in the combined Dakota, Burro Canyon, Brushy Basin, Cedar Mountain sandstone sequence. An additional intermediate production string will be run through the Moenkopi pay zone should commercial shows be encountered therein. Estimated tops are: Morrison 140', Summerville 970', Curtis 1100', Entrada 1240', Carmel 1640', Navajo 1880', Kayenta 2280', Wingate 2390', Chinle 2795', Shinarump 3040', Moenkopi 3085', Sinbad ls. 3620', Lower Moenkopi 3690', Kaibab 3910, Coconino 4050, Wolfcamp 4970, Permian 5100'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Manning Canyon 6140'.  
Company

Reserve Oil and Gas Company

Address 64 Pine Street

San Francisco 11, California

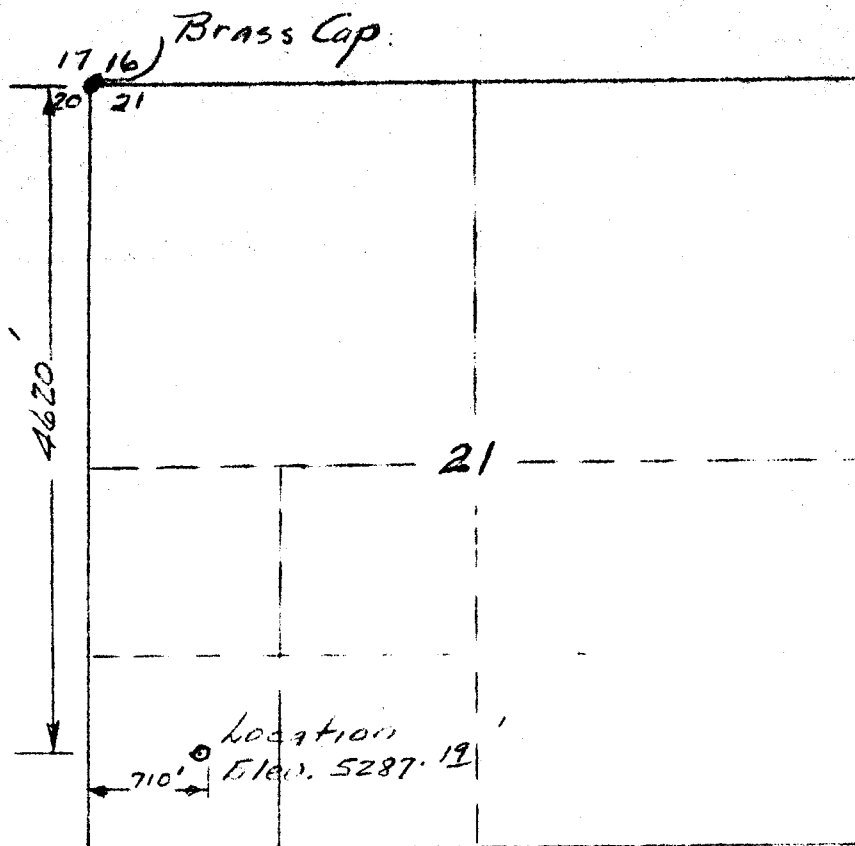
Clinton White

By Clinton White

Title Consulting Geologist  
and agent, Box 351, Durango, Colo.

RESERVE OIL & GAS CO.

Section 21, Twp. 16 So., R. 13E. S.L.M.



N

Scale 1"=1320'

Location SW $\frac{1}{4}$ SW $\frac{1}{4}$ , Section 21, Twp 16 South  
Range 13 East S.L.B.M.

### ENGINEERS CERTIFICATE.

This is to Certify that the  
above plot has been prepared  
from field notes taken by  
John Bene during a field survey  
of the site and that to the  
best of his knowledge it is  
Correct.

John Bene  
2/10/63

RESERVE OIL & GAS CO.

Location

Emery County, Utah.

Survey by John Bene.  
2/10/63 Utah #1050

February 20, 1963

Reserve Oil & Gas Company  
64 Pine Street  
San Francisco 11, California

Attn: Clinton White, Consulting Geologist

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Cedar Siding Unit #1, which is to be located 660 feet from the south line and 710 feet from the west line of Section 21, Township 16 South, Range 13 East, SLBM, Emery County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted. However, this approval is conditional upon a Designation of Agent being filed with this Commission in accordance with Rule A-4(b), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer  
Office: DA 8-5771 or DA 8-5772  
Home: CR 7-2890  
Salt Lake City, Utah

This approval terminates within 90 days if the above well has not been spudded in within said period.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT  
EXECUTIVE DIRECTOR

CBF:cp

cc: Clinton White, Geologist  
D. F. Russell, Dist. Eng.  
USGS - Salt Lake City, Utah

Supervisor, Oil and Gas Operations:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

District Land Office: **Utah**

Serial No.: **U-015075-A**

and hereby designates

Name: **Reserve Oil and Gas Company**

Address: **64 Pine Street, San Francisco 11, California**

as his operator and agent with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

**Township 16 South, Range 13 East, S.L.M., Emery Co., Utah**

Section 15: All

Section 21: All

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

**Socony Mobil Oil Company, Inc.**

By [Signature] Attorney in Fact

612 So. Flower Street  
Los Angeles 54, Calif.

FEB 14 1963

(Date)

MOBIL'S BLOCK STAMP		
Approvals	Initial	Date
Authorized	<i>gmk</i>	
Legal Form	<i>R. C. S.</i>	2/14/63
Controller		
Description	<i>45 Orig. 20853 S.A. 2-13-63</i>	





## Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

612 SOUTH FLOWER STREET, LOS ANGELES 54, CALIF.

February 26, 1963

Mr. Cleon B. Feight  
Executive Director  
Utah Oil & Gas Conservation  
Commission  
10 Exchange Place  
Salt Lake City, Utah

Our File: 09561  
SE Utah Segment  
N. Woodside Project

Dear Mr. Feight:

Enclosed, in duplicate, is Designation of Operator covering U. S. Oil and Gas Lease Utah 015075-A. The original copy of this document was filed with the U. S. Geological Survey.

Very truly yours,

A handwritten signature in cursive script, reading "L. O. Faris".

L. O. Faris, Supervisor  
Title Records Section

EJGerakin:hjp

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County EMERY Field CEDAR SIDING UNIT #1  
The following is a correct report of operations and production (including drilling and producing wells) for the month of APRIL, 1963.  
Agent's address 64 PINE STREET Company RESERVE OIL AND GAS  
SAN FRANCISCO 11 CALIF Signed William L. Miller  
Phone EX 3600 7-0700 Agent's title GEOLOGIST

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shot down, cause; date and result of test for gasoline content of gas)
										Commenced building roads and location for Reserve Cedar Siding Unit No. 1 on 12 April 1963
										Commenced rigging drilling equipment on 22 April 1963
										Spudded Reserve Cedar Siding Unit No. 1 at Noon 25 April 1963. Located SW. SW Sec 21 T16S-R13E SLB-141
										Cemented 220' of 9 5/8" 32.30# casing at 320 with 280" sac cement on 27 April 1963.
										Drilling in shale at 625 at midnight on 30 April 1963. Last sample top, possible massive Morrison at 150'±. No cores or DSTs obtained.
										APR 28 1963

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

May 21, 1963

Reserve Oil & Gas Company  
64 Pine Street  
San Francisco 11, California

Attention: Clinton White, Consulting Geologist

Re: Well No. Cedar Siding Unit #1  
Sec. 21, T. 16 S, R. 13 E.,  
Emery County, Utah

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months of March and April, 1963 for the subject well. Rule C-22 (1), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil & Gas Conservation Commission requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. These reports may be filed on Form OGCC-4, "Report of Operations and Well Status Reports", on Company Forms containing substantially the same information, or on U. S. Geological Survey Form 9-329, "Lessee's Monthly Report of Operations".

We are enclosing Form OGCC-4 for your convenience.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLARELLA N. PECK  
RECORDS CLERK

CNP:kgw

Encl. (Forms)



**FILE IN DUPLICATE**

OIL & GAS CONSERVATION COMMISSION  
OF THE STATE OF UTAH

DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations, and Rules of Practice and Procedure of the Oil and Gas Conservation Commission of the State of Utah, hereby appoint, C.T. Corporation System, whose address is 175 South Main St., Salt Lake City (his, her or its) designated agent to accept and to be served with notices from said Commission, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective Date of Designation February 27, 1963

Company Reserve Oil and Gas Company Address 64 Pine St.  
San Francisco 11, Calif.  
By *Harold B. Green* Title Vice President  
(Signature)

**NOTE: Agent must be a resident of Utah.**

# RESERVE OIL AND GAS COMPANY

64 PINE STREET, SAN FRANCISCO 11, CALIFORNIA  
TELEPHONE EXBROOK 7-0700 - - TWX - SF 541

May 27, 1963

Oil & Gas Conservation Commission  
The State of Utah  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Attention: Clarella N. Peck  
Records Clerk

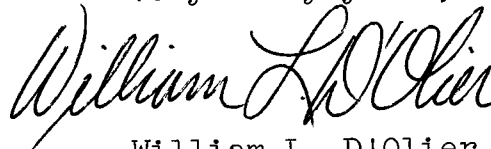
Gentlemen:

We regret our oversight in not providing to your office the Monthly Report of Operations for our Cedar Siding Unit #1 in Section 21, T.16 S., R.13 E., Emery County, Utah. Two copies of the similar report filed with the U. S. Geological Survey, Salt Lake City, for the month of April, 1963, are attached.

There were no operations on the Cedar Siding Unit during March, 1963, and accordingly Reserve filed no Monthly Report of Operations with any agency.

We shall see that your office receives the reports due in the proper manner hereafter. Thank you for your patience.

Very truly yours,



William L. D'Olier  
Geologist

Enclosures  
cc: Mr. W. H. LeRoy

Copy H-L-L

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved.  
Budget Bureau No. 42-R356.5.  
**Salt Lake City**  
LAND OFFICE **U-015075-A**  
LEASE NUMBER **Cedar Siding**  
UNIT

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Cedar Siding Unit

The following is a correct report of operations and production (including drilling and producing wells) for the month of May, 1963,

Agent's address 64 Pine Street Company Reserve Oil and Gas Company  
San Francisco 11, California Signed William N. Kelley

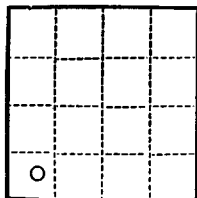
Phone Exbrook 7-0700 Agent's title Geologist

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Drilling in dolomite at 5037 at midnight on May 31, 1963.										
Drilled to 3410. Cored 3410-3550.										
Core #1 - 3410-3430, rec. 20 ft., interbedded siltstone and claystone, gray to chocolate brown. Spotty oil staining, occ. oil stained fractures. Horizontal bedding.										
Core #2 - 3430-3490, rec. 60 ft., interbedded siltstone and claystone as last above, no fractures, no shows. Horizontal bedding.										
Core #3 - 3490-3550, rec. 60 ft., including 30 ft. interbedded siltstone and claystone as above. Bottom 16 ft. bleeding greenish-yellow oil; 27 ft. limestone, gray, massive, hard. Some vuggy porosity, spotty bleeding oil; 3 ft. siltstone, gray, hard, spotty bleeding oil, occ. vertical fractures.										
May 17, 1963. Ran drill stem test of interval 3494-3550. ISI 1 hr., flow period 2 hrs., PSI 1 hr. Rec. 463 ft. net rise incl. 60 ft. mud, 400 ft. muddy black sulphur water, 18000 PPM Chloride. No oil.										
Core #4 - 3550-3610, rec. 60 ft., interbedded siltstone and claystone, gray. Occ. vertical fractures, occ. spotty bleeding oil. Horizontal bedding.										
Drilled 3610-5037.										
Formation tops as determined from cuttings, Summerville 890', Curtis 1040', Entrada 1220', Carmel 1570', Navajo 1790', Kayenta 2135', Wingate 2220', Chinle 2690', Shinarump 2940', Moenkopi 2980', Sinbad 3520', Lower Moenkopi 3547', Kaibab 3920', Coconino 4040', Cutler Tongue 4685', Wolfcamp 4775', still in Wolfcamp at 5037'.										

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold

No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



STATE OF UTAH

(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.  
Form Approved.

Land Office Salt Lake City  
Lease No. U-015075-A  
Unit Cedar Siding

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 17, 1963

*Cedar Siding*

Well No. 1 is located 660 ft. from NE line and 710 ft. from EE line of sec. 21  
SW/4 of SW/4 16 South 13 East Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Emery County Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5300 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

As per telephone conversation with Mr. Paul W. Burchell, the following plugs will be placed: 30 sack plug at 4700'; 30 sack plug 3500-3575'; 20 sack plug 3375'-3425'; 25 sack plug at 2100'; 25 sack plug at 1775'; 20 sack plug at 1485'; 20 sack plug at 1163'; a 50 ft. plug at the shoe of the surface casing, 20 ft. in, 30 ft. out. A metal plate will be welded over stub of surface casing. A 4" length of pipe, long enough to extend 4 ft. above ground level will be welded to stub. The monument will be marked, and proper cleanup of location will be performed. ✓

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Reserve Oil and Gas Company

Address 64 Pine Street

San Francisco

California

By William H. LeRoy

Title Geologist

YNO

# RESERVE OIL AND GAS COMPANY

P4110  
Dw  
2

64 PINE STREET, SAN FRANCISCO 11, CALIFORNIA  
TELEPHONE EXBROOK 7-0700 - - TWX - SF 541

June 21, 1963

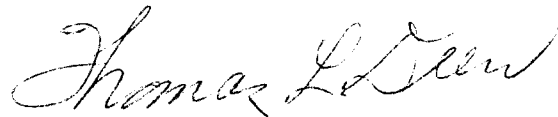
Oil & Gas Conservation Commission  
The State of Utah  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah

Attention: Clarella N. Peck  
Records Clerk

Gentlemen:

We are enclosing herewith, in duplicate,  
"Sundry Notices and Reports on Wells" with respect  
to the abandonment of the Cedar Siding Well No. 1.

Very truly yours,



Thomas L. Deen  
Supervisor  
Land Department

Enclosures  
cc: Mr. W. H. LeRoy  
TLD:pv

N.

0			

STATE OF UTAH  
~~(SUBMIT IN TRIPLICATE)~~  
~~UNITED STATES~~  
~~DEPARTMENT OF THE INTERIOR~~  
~~GEOLOGICAL SURVEY~~

Budget Bureau No. 42-R358.4.  
Form Approved.

Land Office Salt Lake City  
Lease No. U-015075-A  
Unit Cedar Siding

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cedar Siding June 25, 1963  
Well No. 1 is located 660 ft. from DMX line and 710 ft. from W line of sec. 21  
SW $\frac{1}{4}$  of SW $\frac{1}{4}$  16S 13E Salt Lake  
( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Emery Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5300 ft.

### DETAILS OF WORK

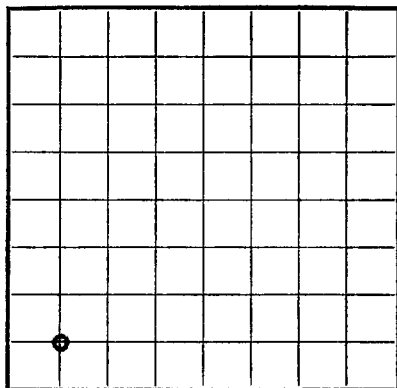
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran in W/open end drill pipe, pumped in 30 sacks constr. CMT at 4700'; 30 sacks at 3575'; 20 sacks at 3425'; 25 sacks at 2125'; 25 sacks at 1800'; 20 sacks at 1485'; 20 sacks at 1163'; and 25 sacks at 350'. Welded metal plate on top of stub of surface casing. Welded 4" surface marker to plate. Well officially abandoned 6-19-63.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Reserve Oil & Gas Company  
Address 64 Pine Street  
San Francisco 11,  
California  
By William H. Leroy  
W. H. Leroy  
Title Geologist

U. S. LAND OFFICE **Salt Lake City**  
 SERIAL NUMBER **U-015075-A**  
 LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **Reserve Oil and Gas Company** Address **64 Pine St., San Francisco, Calif.**  
 Lessor or Tract **Cedar Siding Unit** Field \_\_\_\_\_ State **Utah**  
 Well No. **1** Sec. **21** T. **16S** R. **13E** Meridian **Salt Lake** County **Emery**  
 Location **660** ft. **N.** of **S** Line and **710** ft. **E.** of **W** Line of **SW Corner Sec. 21** Elevation **5300** KB  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed \_\_\_\_\_

Date **July 10, 1963**Title **Geologist**

The summary on this page is for the condition of the well at above date.

Commenced drilling **April 25**, 19**63** Finished drilling **June 17**, 19**63**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8	320 ft.	280 sacks	320 ft.	280 sacks	320 ft.	280 sacks	320 ft.	280 sacks	Surface Drilling
HISTORY OF OIL OR GAS WELL									

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	320 ft.	280 sacks			

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
 Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
------	------------	----------------	----------	------	------------	-------------------

# TOOLS USED

Rotary tools were used from Surface feet to 6505 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

# DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing never produced, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

Theodore Gray  
Drilling superintendent, ~~Driller~~  
William LeRoy, Geologist, ~~Driller~~

# EMPLOYEES

William D'Olier, Geologist, ~~Driller~~  
 \_\_\_\_\_, Driller

# FORMATION RECORD from samples and logs.

FROM—	TO—	TOTAL FEET	FORMATION
Surface	-	-	Cedar Mountain
863	1016	153	Summerville
1016	1163	147	Curtis
1163	1485	322	Entrada
1485	1777	292	Carmel
1777	2099	322	Navajo
2099	2205	106	Kayenta
2205	2644	439	Wingate
2644	2872	228	Chinle
2872	2912	40	Shinarump
2912	3516	604	Moenkopi
3516	3574	58	Sinbad
3574	3896	322	Lower Moenkopi
3896	4045	149	Kaibab
4045	4535	490	Coconino
4535	4611	76	Cutler
4611	5250	639	Elephant Canyon
5250 or 5395	6150 or 6250	900 ±	Pennsylvanian
6150 or 6250	6505 TD	355 +	Mississippian

Electric Logs, Mud Log and Core Descriptions attached in duplicate.

FROM—	TO—	TOTAL FEET	FORMATION
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FORMATION RECORD—Continued





*Diagrams*

Reserve Oil and Gas Company  
64 Pine Street  
San Francisco 11, California

Area: Cedar Siding

Well "Cedar Siding Unit" #1  
WELL HISTORY

Section 21, T.16 S., R.13 E.  
S.L.B. & M., Emery County, Utah

July 10, 1963

ORIGINAL SIGNED BY

R. P. MANGOLD

R. P. Mangold  
Manager, Field Operations

- 4-22-63 Moran Brothers of Wichita Falls, Texas, commenced rigging up. Equipment included 133-foot L. C. Moore mast, Wilson Giant drawworks, 2 Waukesha LR-2 gas engines and a National C-350 mud pump.
- 4-25-63 Spudded well at 11 A.M., April 25, 1963, at location 660' North and 710' West of the Southwest corner of Section 21.
- 4-27-63 Drilled 13-3/4" hole from surface to 162' with bit #1.  
Drilled 8-3/4" hole from 162' to 325' with bit #2. Opened hole to 13-3/4" to 320' with bit #3.

Casing and Cementing Data

Ran and cemented 10 joints of 9-5/8", 32.30 lb. casing at 320', with 280 sacks of cement plus 2% CaCl<sub>2</sub>. Baker guide shoe welded on bottom. Halliburton centralizer 3 feet above shoe. Good cement returns at surface. Cement in place at 5:15 P.M., April 27, 1963. Halliburton cementing services.

- 4-28-63 Installed Shaffer blowout preventor. Tested both blind to and pipe rams at 1000 psi for 15 minutes each. Rigged 4-29-63 for air drilling with Magcobar compressor and service.
- 4-30-63 Drilled 8-3/4" hole with air from 325' to 2514' with bits to #4 through #21. Drilled successfully with maximum estimated flow of 70 barrels per hour of formation water 5-10-63 from Navajo sandstone below 1784' when compressor broke down.
- 5-11-63 Drilled 8-3/4" hole with mud from 2514' to 3410' with to bits #22 through #27. 5-15-63
- 5-15-63 Cut Cores Nos. 1, 2 and 3 from 3410' to 3550' with bit to #28, an 8-11/16" OD x 4" ID Christensen diamond core bit 5-17-63 and 60-foot core barrel. See attached core descriptions.

5-17-63 Formation Test Data

Ran Overton Formation Tester, packers at 3487' and 3494', tail to 3550'. No cushion. Set tools at 9:44 A.M., May 17, 1963. Open tool for initial shut in at 9:47 A.M. Open for flow test at 10:47 A.M. Very weak blow increasing to weak blow at 11:00 A.M., decreasing to very weak by 12:30 P.M. Shut in at 12:47 P.M., pulled loose at 1:47 P.M. Recovered 463 ft. net rise, including 60 ft. rat hole fluid, 403 ft. emulsified mud and black sulfur water, slightly gas cut. Pressure charts showed IH 1719.2 psi, ISI 1261.2 psi, IF 59.8 psi, FF 239.4 psi, PSI 1139.9 psi, FH 1706.7 psi. Charts indicated satisfactory tool performance. Conclusion: zone tight and wet.

5-17-63 Cut Core No. 4 from 3550' to 3610' with Christensen  
to diamond bit and barrel. See attached core description.  
5-18-63

5-18-63 Drilled from 3610' to 6505' with bits #29 through #63.  
to  
6-16-63

6-16-63 Ran Schlumberger IES, Sonic-Gamma Ray, and Formation  
to Density logs.  
6-17-63

6-18-63 Ran Schlumberger wire line Formation Tester, tested interval 3404'-3406.5'. Shot four holes in this interval. Took 70 min. initial shut in, 125 min. flow period, 60 min. final shut in. Charts showed ISI 1410 psi, IF 130 psi, FF 350 psi, PSI 1360 psi. Recovered 15.64 cubic feet, under atmospheric conditions, of inert gas -- would not burn. No recovery of filtrate, mud, water, or oil. Conclusion: zone very tight and noncommercial.

6-18-63 Ran in with open end drill pipe to 4700', conditioned mud.  
to With drill pipe at the following depths, mixed and pumped  
6-19-63 in the amounts of construction cement shown: 4700' - 30 sacks; 3575' - 30 sacks; 3425' - 20 sacks; 2125' - 25 sacks; 1800' - 25 sacks; 1485' - 20 sacks; 1163' - 20 sacks; 350' - 25 sacks. Released rig at 12:01 A.M., June 19, 1963. Welded plate across stub of 9-5/8" surface casing. Welded 4" marker pipe to plate. Well abandoned June 19, 1963.

Reserve Oil and Gas Company  
Cedar Siding Unit No. 1

Core Descriptions

No. 1    3410'-3430'    Cut 20'    Recovered 19.5'

- 3410'-16'    Siltstone, dark gray, hard, massive; bleeding yellow green oil, spotty whitish, yellow fluorescence throughout, good oil odor.
- 3416'-17.6'    Siltstone, light gray, hard, massive, sl. calcareous, tight, N.S.
- 3417.6'-19.2'    Claystone (shale - but lacking fissility) hard, gray, massive.
- 3419.2'-28.5'    Claystone, choc. brown with occasional gray mottling, and thin interbeds and laminations of siltstone, light gray, calcareous, tight, N.S. Various distorted and slumped sedimentary features noted.
- 3428.5'-29.5'    Siltstone, choc. brown and gray, hard, massive, tight, N.S.

Bedding essentially horizontal. Vertical fracture planes 3410'-12.5' and 3424.5'-29.5'

No. 2    3430'-3490'    Cut 60'    Recovered 60.5'

(Assigned extra .5' to bottom Core No. 1)

- 3429.5'-32'    Siltstone, choc. brown with gray, mottling, hard, massive, calc. tight, N.S.
- 3432'-71.5'    Claystone, choc. brown with thin interbeds and laminations of siltstone, gray, calc. tight, N. S.
- 3471.5'-86'    Siltstone predominantly gray with occasional reddish cast, hard, massive, calc. tight, N.S.
- 3486'-3490'    Claystone, choc. brown with thin siltstone interbeds, gray and calc.

Bedding essentially horizontal. No vertical fracturing observed in this core.

No. 3      3490'-3550'      Cut 60'    Recovered 60'

- 3490'-3501'      Siltstone, gray, hard, massive, tight, with claystone interbeds, N.S.
- 3501'-20.5'      Siltstone, gray, hard, massive, with claystone and limestone interbeds and laminations; spotty bleeding of greenish yellow oil at 3501' and 3504'-20.5' - no visual porosity, occasional pyrite crystals.
- 3520.5'-39.5'      Dolomite, gray, hard, massive, oolitic in upper part, some vuggy porosity, spotty bleeding of oil throughout. Oil coated vertical fracture 3520.5'-24'.
- 3539.5'-47'      Limestone, gray, hard, massive, tight in upper few feet, but very vuggy 3543'-47', vertical fracture 3544'-47', bleeding oil, fossiliferous at 3544'.
- 3547'-50'      Siltstone, gray, hard, massive with thin claystone laminations - no visible porosity, spotty bleeding of oil, vertical fracture 3547.5'-50'.

Bedding essentially horizontal.

No. 4      3550'-3610'      Cut 60'    Recovered 60'

- 3550'-63'      Siltstone, light gray, hard, massive with claystone laminations, calc., grades to limestone in part and at 3561.5' where first bleeding oil occurs.
- 3563'-64.2'      Limestone, gray, massive, vuggy porosity and irregular bedding plane fractures; bleeding yellowish oil.
- 3564.2'-74'      Siltstone, gray, interbedded with claystone, limey in part; bleeding oil 3564.2'-65', bleeding oil and water 3565'-66'.
- 3574'-76.5'      Limestone, gray, hard, massive with claystone laminations, bleeding oil 3574'-75'.
- 3576.5'-85'      Siltstone, gray, hard, massive, tight, with claystone and limestone interbeds, anhydrite stringer at 3579', N.S.

No. 4 (continued)

3585'-91'      Limestone, gray, hard, massive, tight, N.S.

3591'-3610'      Siltstone, gray and claystone, red, inter-  
bedded, hard, massive, tight, N.S.

Bedding essentially horizontal. Some vertical fracturing  
3564.2'-76.5'.

William L. D'Olier  
Geologist

# RESERVE OIL AND GAS COMPANY

ROUTE 2, BOX 434, BAKERSFIELD, CALIFORNIA  
TELEPHONE THORNWALL 5-0736 • TWX - BK 120

July 15, 1963

Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
10 Exchange Place  
Salt Lake City 11, Utah  
Attn: Mr. Cleon B. Feight

Re: Reserve Oil & Gas Company  
Cedar Siding Unit No. 1  
Section 21, T. 16 S., R. 13 E., S.L.B.M.  
Emery County, Utah

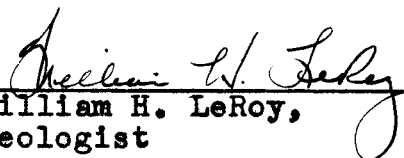
Dear Mr. Feight:

Attached you will find the following:

- (1) Two copies of Form 9-330.
- (2) Two copies of Reserve's Well History.
- (3) Two copies of the Mud Log.
- (4) Two copies each of the IES, Sonic-Gamma Ray,  
Formation Density, and Formation Tester Logs.

I believe this is all the information required by  
your office.

Very truly yours,

  
William H. LeRoy,  
Geologist

WHL:jgd